Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A portable agenda replication device for transferring information to a vehicle navigation system, the portable agenda replication device including:

an input mechanism for accepting entry of an agenda comprising a destination and a requested time of arrival at the destination;

a storage mechanism, operatively coupled to the input mechanism, for storing the agenda;

a processing mechanism, operatively coupled to the storage mechanism, for retrieving the agenda from the storage mechanism, for transmitting the retrieved agenda to the vehicle navigation system, and for instructing the vehicle navigation system to use the agenda to determine a route to follow to the destination based upon the requested time of arrival. ~~In connection with a computerized GPS navigation system of the type installed on an automotive vehicle, and having a storage subsystem for storing at least a plurality of user-selected addresses intended as an agenda to be traveled with the assistance of the GPS navigation system, and having a route-planning subsystem for assisting a vehicle user with the navigational tasks relative to traveling to such selected addresses, a computerized agenda replicator system, operable by at least a first regular user of the on-road vehicle, for transferring personal agenda information developed within such a replicator system when away from the on-road vehicle, into the vehicle's storage subsystem, the replicator system comprising:~~

~~a first computer hardware system, operable by a user to acquire and store, apart from any vehicle and any GPS navigation system, personal travel agenda~~

~~information for later transfer to a storage subsystem of a GPS navigation system of an automotive vehicle for use by the navigation system, the first computer system including~~

~~a first memory operable for holding at least temporarily first and second program components;~~

~~a second memory operable for storing selected personal travel agenda information including at least first and second desired destinations;~~

~~a first visual display operable for viewing representations of at least some of the personal agenda information stored in the second memory;~~

~~at least first data entry means operable by a user of the replicator system for selectively entering into the first computer system data constituting personal travel agenda information including desired destination information;~~

~~at least first data transfer means operable for automatically transferring data constituting personal travel agenda information including desired destination information stored in the first computer system to an output portal for transfer outside of the first computer system; and~~

~~a first computer software system for controlling at least part of the first computer hardware system, the software system including~~

~~a first program component for providing a first data structure for holding within the second memory, personal travel agenda information selected by the user, the data structure being arranged to include desired destination information and to be loaded at least in part with data from the first data entry means, and~~

~~a second program component for providing, upon user command, a transfer of personal travel agenda information including first and second desired destinations from the second memory through the first data transfer means to the output portal;~~

~~whereby the first computer system is operable to transfer personal travel agenda information including at least a plurality of destinations stored therein to the storage subsystem of the vehicle-based navigation system.~~

2. (Currently Amended) The portable agenda replication device of claim 1 wherein ~~An agenda replicator system as in Claim 1, further comprising:~~

~~an input portal connectable to a storage subsystem of the GPS navigation system for receiving personal travel agenda information originating from the output portal;~~

~~a first memory associated with the storage subsystem operable for holding at least temporarily third and fourth program components;~~

~~a second memory associated with the storage subsystem for storing selected~~ the storage mechanism stores personal ~~travel~~ agenda information including at least a first desired destination and a second desired destination ~~destinations~~;

~~a third program component for providing,~~ and the processing mechanism, upon receipt of a user-initiated command at the input mechanism, transfers the ~~a transfer of~~ personal agenda information including the first and second desired destinations to the vehicle navigation system. ~~from the first computer system through the input portal; and~~

~~a fourth program component for providing a second data structure for holding within the second memory of the storage subsystem, personal agenda information transferred through the input portal, including desired destination information.~~

3. (Currently Amended) The portable agenda replication device of claim 2 ~~An agenda replicator system as in Claim 2~~, further comprising:

a ~~second~~ visual display, associated with the storage mechanism ~~subsystem~~, and operable for viewing at least some of the personal agenda information stored in the ~~second memory of the~~ storage mechanism ~~subsystem~~;

~~at least first selection means~~ the input mechanism being operable by a ~~the~~ user for selectively pointing to portions of personal ~~travel~~ agenda information including desired destination information displayed on the ~~second~~ visual display; and

the visual display being capable of displaying updated ~~a fifth program component for updating~~ information associated with desired destination information in response to operation of the input mechanism ~~being pointed to by operation of the first means~~.

4. (Currently Amended) The portable agenda replication device of claim 1 wherein the processing mechanism includes a ~~The agenda replicator system of Claim 1, wherein the first computer system includes~~

~~a third~~ program component for confirming transmission ~~correct receipt~~ of ~~transferred~~ data that constitutes the personal agenda information to the vehicle ~~storage subsystem of the GPS~~ navigation system.

5. (Currently Amended) The portable agenda replication device of claim 1 wherein the processing mechanism includes a ~~The agenda replicator system of Claim 1, further comprising:~~

~~a third~~ program component for transferring personal agenda information resident in the ~~storage subsystem of the vehicle based GPS~~ vehicle navigation system to the portable agenda replication device. ~~through to an output portal of the GPS navigation system back to the first computer system~~.

6. (Currently Amended) The portable agenda replication device of claim 1 ~~The agenda replicator system of Claim 1,~~ wherein the personal ~~travel~~ agenda information includes:

a plurality of desired destinations to which a user ~~of the agenda replicator system~~ desires to travel;

information about a sequence in which the user wishes to travel to the desired destinations, information about desired time of arrival at each desired destination; and

a plurality of personal preference selections associated with a plurality of desired destinations, the personal preference selections being selected from the group of personal preference information consisting of desired date of departure, desired time of departure, cell phone preference, scenic route preference, toll road preference and express route preference.

7. (Currently Amended) The portable agenda replication device of claim 1, wherein the processing mechanism further includes ~~The agenda replicator system of Claim 1, further comprising;~~

~~a third~~ program component for providing means to access an electronic calendar system including a list of planned appointments, ~~through the first computer system which calendar system includes a list of planned appointments associated with a user of the replicator system,~~

~~a fourth program component~~ for specifying appointments that are to be replicated in an agenda table for later transfer to the vehicle navigation system by the portable agenda replication device; and for specifying transfer at least selected entries of personal agenda information to the vehicle navigation system. ~~by the replicator system to the first output portal; and~~

~~a fifth program component for specifying that at least selected entries of personal travel agenda information in the agenda table stored in the first computer system are to be transferred to the first output portal.~~

8. (Currently Amended) The portable agenda replication device of claim 7, wherein ~~The agenda replicator system of Claim 1, wherein:~~

the agenda table includes fields operable to be loaded with descriptors that identify desired destinations to which ~~the~~ a user ~~of the system~~ desires to travel, desired

times of arrival associated with each desired destination, and at least one other item of personal travel agenda information associated with desired destinations. ~~; and~~

~~the first computer system includes:~~

~~a hand-portable battery-powered portable computer with attached data entry means and an attached visual display unit, the portable computer system being selected from a group of such systems consisting of notebook computers, laptop computers and personal digital assistants;~~

~~a third program component operable to compute a dynamic time to destination based upon a plurality of factors effecting driving time selected from the group of factors including day of the week, time of the day, amount of traffic in an area to be traveled, weather-related road conditions, type of road, reported road construction and reported of traffic slow-downs; and~~

~~a fourth program component forming part of the navigation system and operable for periodically updating expected time to reach a desired destination as the user is traveling to the destination, with the updates being based upon at least a plurality of factors effecting driving time selected from the group of factors including day of the week, time of the day, amount of traffic in an area to be traveled, weather-related road conditions, road type, road construction and reports of traffic-slowing incidents.~~

9. (Currently Amended) A method for transferring information from a portable agenda replication device to a vehicle navigation system, the method including:

accepting entry of an agenda comprising a destination and a requested time of arrival at the destination;

storing the agenda in a computer readable storage mechanism;

retrieving the agenda from the storage mechanism;

transmitting the retrieved agenda to the vehicle navigation system, and

instructing the vehicle navigation system to use the agenda to determine a route to follow to the destination based upon the requested time of arrival. ~~A method for~~

~~transferring personal travel agenda information, in an automated fashion, regarding destinations and related personal route-planning user preferences from a first computer system that is distinct and physically separate from an automotive vehicle to an automotive vehicle-based computer system with GPS navigation capabilities and with route-planning capabilities, the method comprising the steps of:~~

~~(a) providing a first computer system with a first memory for storage of personal travel agenda information to be used in an agenda table for specifying at least first and second desired destinations, sequence information relative to the destinations, and at least a first item of personal preference information associated with each desired destination;~~

~~(b) loading into a first memory information for specifying at least first desired destination;~~

~~(c) loading into the first memory for specifying at least a first unit of personal preference information associated with the first desired destination;~~

~~(d) checking the information loaded in steps (b) and (c) for accuracy via a display associated with the first computer system;~~

~~(e) establishing a first communications path between the first computer system and a first storage subsystem associated with a vehicle based GPS navigation system, whereby digitized information may be transferred across such communications path; and~~

~~(f) downloading into the first storage subsystem of the GPS navigation system personal agenda information that was based upon the information loaded into the first memory as part of steps (b) and (c).~~

10. (Currently Amended) ~~A method for transferring~~ The method of claim 9 further comprising ~~personal travel agenda information as in claim 9, further comprising the step of:~~

~~(g)~~ instructing the vehicle navigation system to update a travel agenda table stored in the vehicle navigation system with the agenda transmitted by the portable

agenda replication device. ~~pdating a travel agenda table in the GPS navigation system with at least part of the personal agenda information downloaded in step (f).~~

11. (Cancelled)

12. (Currently Amended) ~~A method for transferring personal travel agenda information as in claim 10, in which the GPS~~ The method of claim 9 wherein the vehicle navigation system is installed in a specific automotive vehicle, and wherein, as part of the instructing ~~step~~, the ~~GPS~~ vehicle navigation system is instructed ~~advised~~ to perform route-planning for reaching the ~~first desired~~ destination from ~~the~~ a current location of the vehicle[[,]] as determined by the ~~GPS~~ vehicle navigation system.

13. (Currently Amended) The method of claim 9 further comprising: ~~A method for as set forth in Claim 9, further comprising the step of:~~

~~(g) loading into a first memory information specifying at least a second unit of~~ storing personal preference information associated with the ~~first desired~~ destination; the ~~second unit being selected from the group of~~ personal preference information ~~consisting~~ comprising at least one of a date of departure, a desired time of departure, ~~desired time of arrival~~, a cell phone preference, a scenic route preference, a toll road preference, and an express route preference.

14. (Currently Amended) The method of claim 9 further comprising ~~A method for as set forth in Claim 9, further comprising the step of:~~

~~(g) viewing~~ displaying at least a portion of the ~~personal~~ agenda ~~information downloaded from the first computer system~~ on a display unit associated with the vehicle ~~based~~ navigation system.

15. (Currently Amended) The method of claim 14 wherein displaying further comprises displaying ~~A method according to Claim 12, wherein the step of~~

~~viewing includes viewing~~ at least a first portion of a planned route between a current location of the vehicle navigation system and the destination. ~~the vehicle's current location and the first destination.~~

16. (Currently Amended) The method of claim 9 wherein the agenda comprises a first desired destination, a requested time of arrival at the first desired destination, a second desired destination and a requested time of arrival at the second desired destination. ~~A method according the Claim 9, further comprising the steps of:~~

~~(g) loading into a first memory information for specifying at least a second unit of personal preference information associated with the first desired destination;~~

~~(h) loading into a first memory information specifying at least second desired destination;~~

~~(i) loading into the first memory at least a first unit of personal preference information associated with the second desired destination;~~

~~(j) loading into a first memory information for specifying at least a second unit of personal preference information associated with the second desired destination; and~~

~~(k) checking the information loaded in steps (h) through (j) for accuracy via a display associated with the first computer system; and~~

~~(l) downloading into the first storage subsystem of the GPS navigation system personal agenda information that was based upon the information loaded into the first memory during steps (g) and (j), and wherein~~

~~each such second unit of information being selected from the group of personal preference information consisting of date of departure, desired time of departure, desired time of arrival, cell phone preference, scenic route preference, toll road preference and express route preference.~~

17. (Currently Amended) The method of claim 9 wherein information is transferred from the portable agenda replication device to the vehicle navigation system over a communications path comprising ~~A method as in Claim 11, wherein the communications path between the first computer system and the second computer system is~~ a wireless communications link including at least one ~~selected from the group of wireless communications links consisting~~ of (a) a short-range optical connection between a first transmitter receiver associated with the portable agenda replication device ~~first computer system~~ and a ~~first~~ second transmitter receiver associated with the vehicle-~~based GPS~~ navigation system, or (b) a wireless connection between a first RF transmitter receiver associated with the portable agenda replication device ~~first computer system~~ and a ~~first~~ second RF transmitter receiver associated with the vehicle-~~based GPS~~ navigation system.

18. (Currently Amended) The method of claim 17 wherein the wireless communications ~~A method as in Claim 17, wherein the wireless~~ link is a radio frequency link selected from the group of radio frequency links consisting of short-range low-power communication links and long-range cell phone-based communication links.

19. (Currently Amended) The method of claim 9 wherein the portable agenda replication device ~~A method as in Claim 11, wherein the first computer system~~ is a portable battery-powered computer system that is sufficiently light in weight to be carried by hand.

20-34. (Withdrawn)

35. (Currently Amended) A computer program product for transferring information from a portable agenda replication device to a vehicle navigation system, the computer program product including a storage medium readable by a processing circuit

and storing instructions for execution by the processing circuit for facilitating a method including:

accepting entry of an agenda comprising a destination and a requested time of arrival at the destination;

storing the agenda in a computer readable storage mechanism;

retrieving the agenda from the storage mechanism;

transmitting the retrieved agenda to the vehicle navigation system, and

instructing the vehicle navigation system to use the agenda to determine a route to follow to the destination based upon the requested time of arrival. ~~, to be used in conjunction with a travel agenda replicator system for transferring personal travel agenda information, in an automated fashion, regarding destinations and related personal route-planning user preferences, the replicator system having at least one computer having at least one processing circuit, the software product comprising:~~

~~a storage medium readable by at least the one processing circuit and storing instructions for execution for by the processing circuit for performing a method comprising the steps of~~

~~(a) providing a first computer system with a first memory for storage of personal travel agenda information to be used in an agenda table for specifying at least first and second desired destinations, sequence information relative to the destinations, and at least a first item of personal preference information associated with each desired destination;~~

~~(b) loading into a first memory information for specifying at least first desired destination;~~

~~(c) loading into the first memory for specifying at least a first unit of personal preference information associated with the first desired destination;~~

~~(d) checking the information loaded in steps (b) and (c) for accuracy via a display associated with the first computer system;~~

~~(e) establishing a first communications path between the first computer system and a first storage subsystem associated with a vehicle based GPS~~

~~navigation system, whereby digitized information may be transferred across such communications path; and~~

~~(f) downloading into the first storage subsystem of the GPS navigation system personal agenda information that was based upon the information loaded into the first memory as part of steps (b) and (c).~~